

## CLAIMS

I claim:

1. A live well oxygenator, comprising:

5 a vessel, said vessel having an inner chamber enclosed by a front wall, a top wall, a rear wall, two side walls and a bottom;

a first opening disposed through said front wall;

a water pump positioned in said inner chamber, said water pump having an inlet positioned at said first opening;

a second opening disposed through said front wall;

10 a water return pipe positioned in said inner chamber, said water return pipe having an outlet positioned at said second opening;

an oxygen feed valve having an inlet opening into said chamber, said oxygen feed valve disposed on said top wall; and

15 an overflow tube positioned in said chamber, said overflow tube communicating with said chamber through said top wall.

2. The live well oxygenator according to claim 1, further including, a discharge pipe connected to said water pump, said discharge pipe positioned in said chamber and having an upper portion disposed above said pump.

3. The live well oxygenator according to claim 2, further including, a venturi opening disposed in said portion of said discharge pipe.

5 4. The live well oxygenator according to claim 1, further including a filter screen positioned over said first opening.

5. The live well oxygenator according to claim 1, further including a filter screen positioned over said second opening.

10 6. The live well oxygenator according to claim 1, further including electrical transmission wires connected to said water pump and extending through said rear wall.

15 7. The live well oxygenator according to claim 1, wherein said water return pipe has an inlet opening in said chamber, said inlet opening being spaced above said bottom of said chamber.

20 8. The live well oxygenator according to claim 1, wherein said overflow tube has an open end disposed in said chamber, said open end being spaced above said bottom of said chamber.

25 9. The live well oxygenator according to claim 1, wherein said vessel has an outer surface and wherein an array of mounting tabs is disposed on said outer surface.

10. A live well oxygenator, comprising:

a vessel, said vessel having an inner chamber enclosed by a front wall, a top wall, a rear wall, two side walls and a bottom;

a first opening disposed through said front wall;

5 a water pump positioned in said inner chamber, said water pump having an inlet positioned at said first opening;

electric transmission wires connected to said water pump and extending through said rear wall;

10 a timer interposed on said electrical transmission wires for providing a programmable timing function for said pump;

a second opening disposed through said front wall;

a water return pipe positioned in said inner chamber, said water return pipe having an outlet positioned at said second opening;

15 an oxygen feed valve having an inlet opening into said chamber, said oxygen feed valve disposed on said top wall; and

an overflow tube positioned in said chamber, said overflow tube communicating with said chamber through said top wall.

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11. The live well oxygenator according to claim 10, further including, a discharge pipe connected to said water pump, said discharge pipe positioned in said chamber and having an upper portion disposed above said pump.

12. The live well oxygenator according to claim 11, further including, a venturi opening disposed in said portion of said discharge pipe.

13. The live well oxygenator according to claim 11, further including a filter screen positioned over said first opening.

14. The live well oxygenator according to claim 11, further including a filter screen positioned over said second opening.

15. The live well oxygenator according to claim 11, wherein said water return pipe has an inlet opening in said chamber, said inlet opening being spaced above said bottom of said chamber.

16. The live well oxygenator according to claim 11, wherein said overflow tube has an open end disposed in said chamber, said open end being spaced above said bottom of said chamber.

17. The live well oxygenator according to claim 11, wherein said vessel has an outer surface and wherein an array of mounting tabs is disposed on said outer surface.